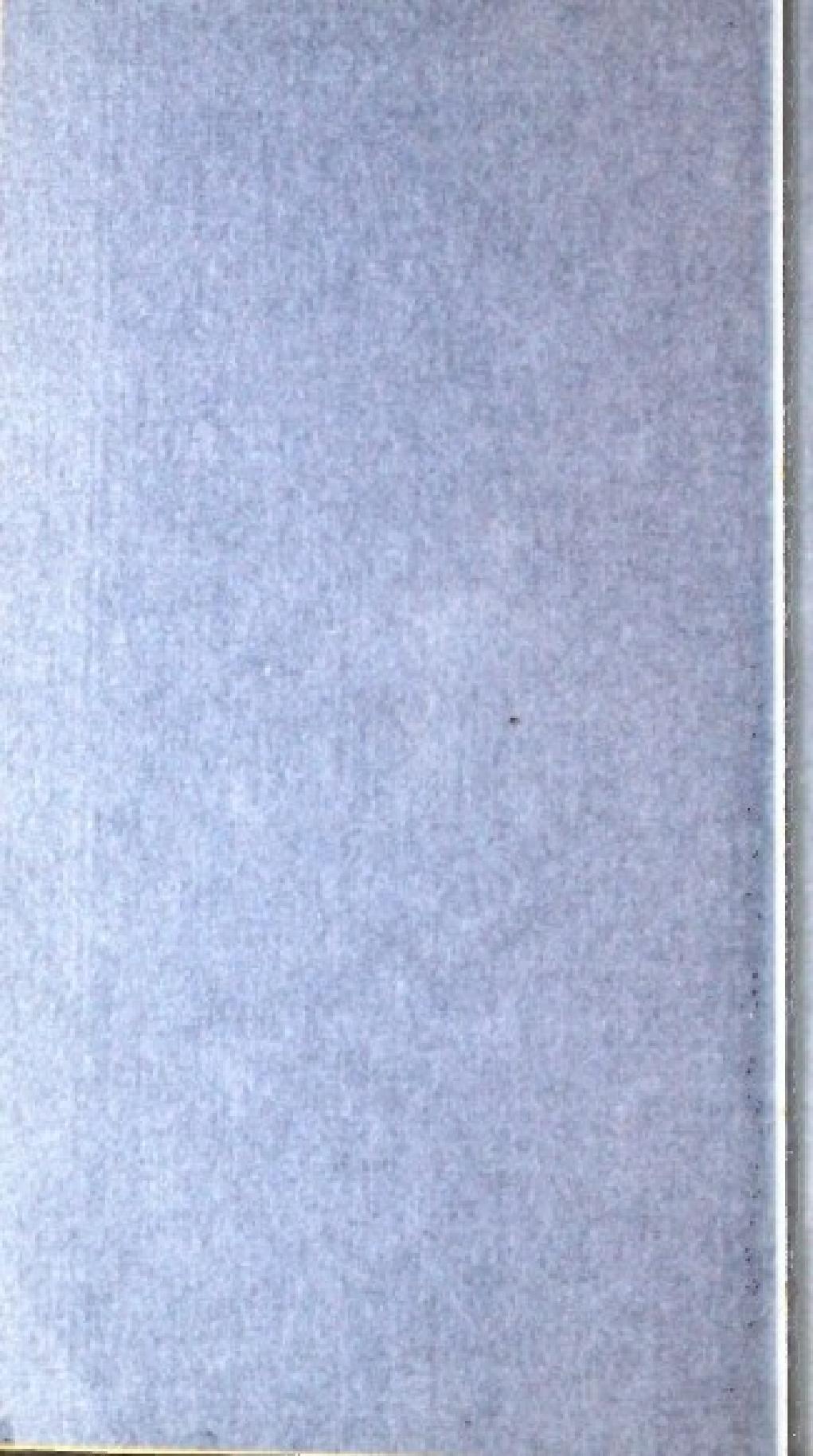


FANS AND BLOWERS

CONDENSED CATALOGUE



SIXTH EDITION



JUNE 15, 1914

Ilg Electric Ventilating Company

General Offices and Works:

Whiting and Wells Sts., Chicago, Ill.

CONDENSED CATALOGUE

THIS is simply a brief catalogue for pocket use. If you desire further information, write for our perpetual loose leaf catalogue, containing encyclopedia of engineering data and full description of all of our products.

¶ We build Propeller Fans in all sizes, all speeds and for any current, voltage or frequency.

¶ We build direct connected and belted Blowers and Exhausters in all sizes from 25 inches to 120 inches, for any current or voltage.

¶ We also build Shavings Exhausters, Forge Blowers, Volume Blowers, Portable Ventilating Sets and Mechanical Draft Apparatus.

Ventilation in General

Free air is understood to be air devoid of vacuum, counter currents or pressure.

Propeller or disc type Fans will not work against any great amount of pressure, and wherever possible it is advisable to install same so they will have a free inlet and exhaust.

Where Fan installation is intended in buildings over six stories in height, allowance should be made for the natural air currents existing, due to the artificial heating of building in the winter months. Warm air tends to create a strong upward flow, which causes a vacuum in lower floors and a plenum condition in upper floors; for this reason Fan should be of larger size to overcome the loss of air capacity due to adverse current, and for extreme conditions, centrifugal Exhausters or Blowers are recommended.

Ducts if necessary should be as large or larger than Fan areas, but avoid them if possible, as they offer more or less resistance to the movement of air, and consequent loss of air capacity, with the exception of their installation in restaurants, where a ventilating duct or stack, as it is usually called, has a tendency of accelerating the upward currents due to the heat generated from the range.

Office Ventilation

For office ventilation, the Fan should be located at a point where exhaust openings can be secured farthest from windows and doors, so that the fresh air, being drawn from the opposite end to the Fan through windows or openings, must be drawn through the whole room before being expelled by the Fan. This gives ideal and draftless ventilation.

Churches and Halls

For halls and churches, it is preferable to locate the Fan in some adjacent room, as absolute quietness is essential, and openings should be provided for between wall or partition leading to the main hall or auditorium by the installation of registers or screens. The air should be changed about every 5 to 10 minutes.

Illustration—Room 50'x100'x10' ceiling = 50,000 cu. ft. + 5 = 10,000 = (min. change of air) 30" to 36" Fan. (See Air Capacity of Fans, page 6.)

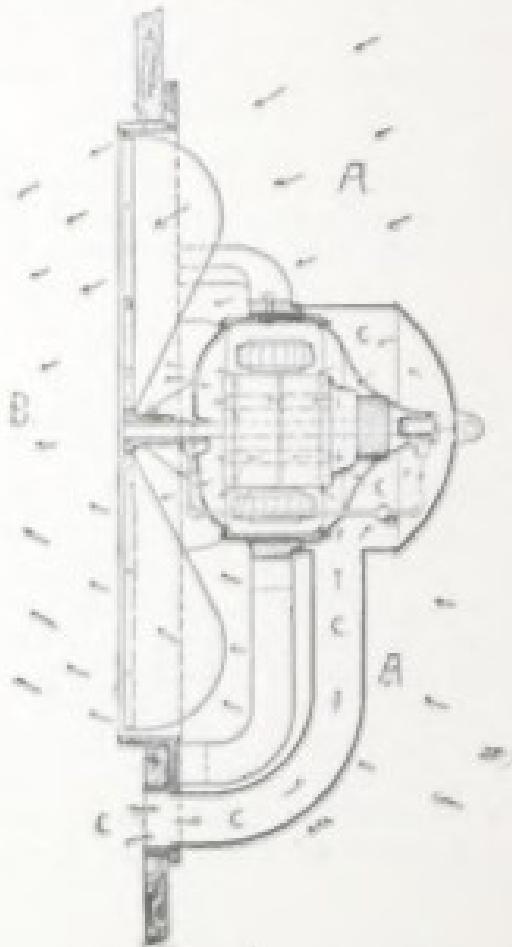
Restaurant Ventilation

In restaurants the Fan should be located, if possible, in the kitchen close to the range. To get the best results, the air should be changed about every two minutes. If it is not possible to locate the Fan in the rear, it is found to be good practice to place a Fan in the front to remove the hot air from the ceiling. A small rectangular duct could be run from the Fan to the range, to connect with a hood over range, and in this way utilize a portion of the capacity of the Fan to exhaust heat from the range.

The Self-Cooled Fan

The illustration below shows our patented method of ventilating the motor. It has been proven by experience that open type motors are unsatisfactory for exhaust fan purposes, owing to the collection of dust or other foreign matter in the motor. If an enclosed non-ventilated type is used its efficiency is decreased, owing to the consequent overheating of the armature and field coils.

The Ilg Self-Cooled Fan meets both these conditions, using an enclosed type motor, ventilating it at the same time. The ventilation of the motor is accomplished by the vacuum created in the front of the center or axis of the fan drawing air from the outside through the tube connecting with the hood which completely encloses the motor on all sides but the front. After ventilating the motor the air is carried away with the general exhaust.



Selling Points for Ilg Propeller Fans

Why They Are Best for You

You are selling a high grade machine, a machine that will help your general reputation. Purchasers of Ilg Fans come back for more. Contractors who have pushed our Fans now sell them exclusively because they know. Ilg Fans are made for alternating and direct current for any voltage or frequency. You do not have to talk one Fan for alternating current and another for direct current. **This is a very important point.** Ilg Fans are kept in stock and can be shipped immediately. Ilg Fans are the easiest and cheapest to install. The round-bodied motor that slips easily out of the ring is responsible for this. **And most important to you,** you can make more money on Ilg Fans than on others.

Why They Are Best for Your Customers

It is the only Fan with motor protected, yet air cooled. Motors in Ilg Fans operate at full load with an efficiency of 85%. Motors in other fans, being enclosed, operate at about two-thirds load with an efficiency of 60% to 65%. This means a saving on the power bill of about 25%, and we can prove it from actual figures. With a 36" Fan running under average conditions in the average city, this saving amounts to \$5.00 a month. Ilg Fans will deliver a given quantity of air with a lower power consumption than any other fan. This is made possible by our patented air cooling feature, and we are willing to pay the expenses, of any certified test made anywhere that will disprove this claim. Ilg Fans deliver the air for which they are rated, **always.** There are other makes of fans rated higher, but they do not come up to ratings, and we have figures to prove it. Ilg Fans run as nearly without repairs as it is possible to have machinery run. The owners of big Lunch Room Systems in big cities now use Ilg Fans for this reason if no other. They each have many fans in operation and have found from experience what other fans cost to run. Some Ilg Fans have been running 5 years with no repairs except new brushes. Ilg Fans are the best appearing and quietest running fans on the market and the only fans with bearings combined for oiling. Ilg Fans are covered by a rigid guarantee.

DIRECT CURRENT

Propeller Fans

THE ONLY

**Self-Cooled Protected Fan.
Combined Oiling Device.
Interchangeable Motor System.**

Code Words	Type Size	Cu. Ft. of Air per Min.	Watts Con- sumed Per Hour	Speed Free Air	PRICE			Approx. Ship'g Wgt.
					110 Volt	220 Volt	500 Volt	
Abide . . .	16B	1600	90	1200	\$ 77	\$ 80	40
Able . . .	18A	2530	110	1000	100	104	50
Act . . .	18B	3800	154	1000	124	129	95
Aim . . .	20B	4500	198	900	180	185	\$188	175
Alto . . .	24A	6000	275	800	210	215	220	220
Amber . . .	24B	8100	418	800	255	260	268	300
Anchor . . .	30A	9200	440	700	290	296	310	335
Annex . . .	30B	11000	495	700	315	342	354	360
Antic . . .	36A	12500	550	600	350	358	368	395
Anvil . . .	36B	15000	770	600	408	417	430	450
Apex . . .	42B	18000	880	500	486	497	512	600
Apt . . .	48B	26400	1320	450	574	587	602	830
Argos . . .	54B	33500	1780	400	850	865	883	1100
Ark . . .	60B	40000	2270	360	960	972	1017	1500
Astro . . .	72B	60000	2850	270	1260	1284	1320	2250

Code indicates motors wound for 110 volts; prefix letter T for 220 volt, letter K for 500 volt.

For vertical running Fans, add 10 per cent to list price, same discount applying.

Type "A" is not furnished for vertical operation.

Variable speed controllers are furnished with D. C. Fans from 20 inches upwards, giving approximate 50% speed reduction by intermediate steps.



This is very economical where full speed is not always desirable. A small regulator is furnished with 18" D. C. Fan. This regulator serves to regulate the speed of Fan.

ALTERNATING CURRENT

Propeller Fans

Single Phase—60 cycle.

Code Word	Size Type	Cu. Ft. of Air per Min.	Watts Consumed per Hr.	Speed	PRICE		Approx. Ship'g Wgt.
					110 Volt	220 Volt	
Atend	16S	1600	100	1200	\$ 70	\$ 74	50
Atom .	18S	4000	150	1140	130	134	90
Azoth .	20S	5000	190	1140	178	182	130
Augur.	24S	7000	210	850	224	229	180
Axis .	30S	9000	440	690	320	327	280
Azure .	36S	14000	600	565	430	438	390
Azym .	42S	17800	800	490	520	530	520

Polyphase—60 cycles

Code Word	Size Type	Cu. Ft. of Air per Min.	Watts Consumed per Hr.	Speed 60 cycles	PRICE		Approx. Ship'g Wgt.
					100 to 440 to 200 550 Volt Volt		
Acus. .	18M	3840	180	1140	\$144	\$153	103
Agy... .	20M	5000	200	1140	168	178	150
Adelo. .	24M	7000	230	850	208	220	220
Adhoc. .	30M	9000	400	690	284	300	335
Adonis	36M	14000	600	570	348	366	402
Adox. .	42M	20000	800	570	417	436	610
Adula. .	48M	27200	1100	490	488	500	830
Adocy	54M	34000	1700	420	693	708	1100
Adras. .	60M	42000	2200	380	907	931	1500
Adult. .	72M	62000	2800	285	1100	1120	2200

Code indicates 100 volt; prefix letter T for 200, letter K for 440, letter Q for 550 volts.

NOTE: Code in alternating current indicates 60 cycle, suffix letter "F" for 25; letter "G" for 30; letter "H" for 40.

Add 5 per cent to list price for 25, 30 and 40 cycle.

Prices on application for 133 cycle.

For vertical running alternating Fans add 15 per cent to list price.

Distinct

The Self

Frame

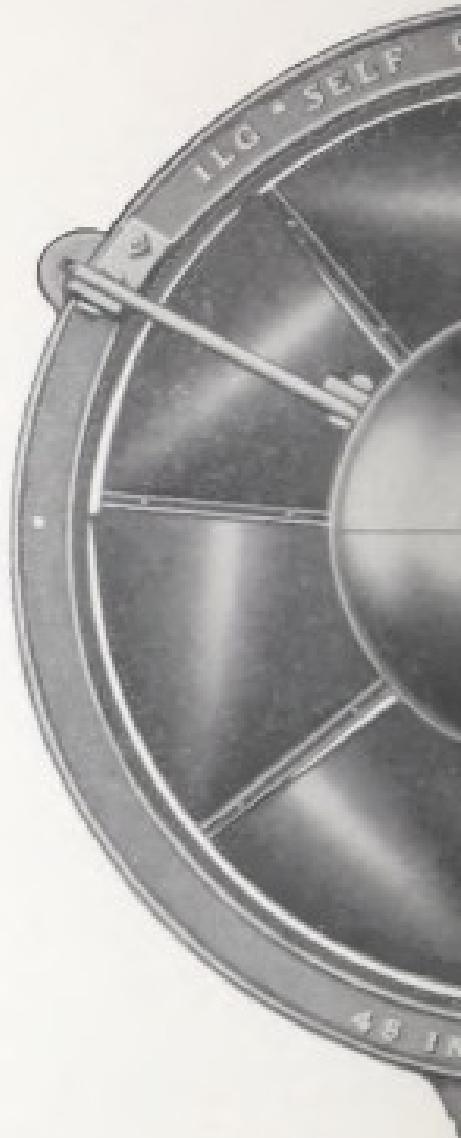
Flanges are liberally proportioned, protecting fan wheel and making a pleasing and durable installation possible.

Motor Ring

Securely bolted to arms. Motor is machined circular to template, which makes it practical to install motor and frame separately without disturbing alignment.

Oiling System

Both bearings from 20" to 72" D. C. Fans uniformly oiled from one point, making it the only fan safely oiled while in operation.



Supplying motor with clean, cool air, reducing temperature.

Finish:—Fan is finished with a high grade olive green paint.

Features

Cooled Fan



Support Arms

Hand forged from machine steel, light, strong and non-breakable.

Motor Inclosure

Protects working parts of motor against dust, grease, steam or foreign matter, which eventually will damage motor.

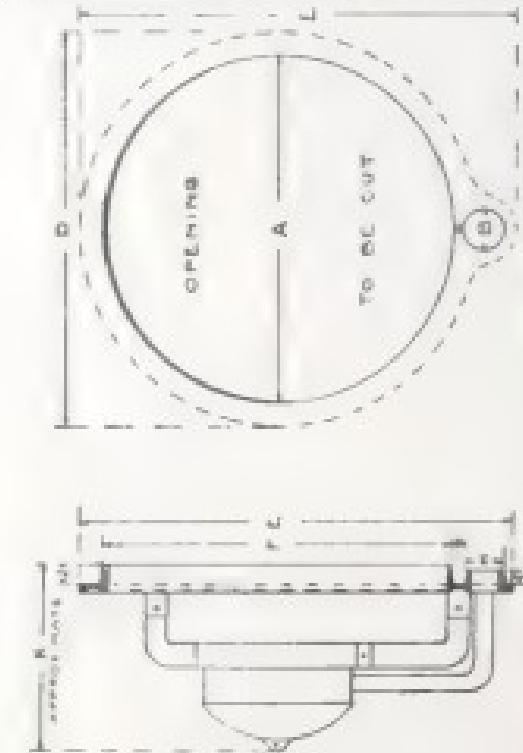
Wheel

Steel spokes and rims electrically welded, blades stamped to template. Hub bored and reamed, making wheel perfectly true and running without vibration, insuring long life to bearings.

ipe
ng temperature, thus increasing its efficiency.
amel varnish, durable and pleasing in appearance.

INSTALLATION DIMENSIONS FOR SELF COOLED FAN.

Dimensions are subject to variations in casings for very particular work. Send for detailed measurements.



Fan	A	B	C	D	E	F	G	H	I	J	K	L	M	W.L.
18	40	24	4	31	30	18	3	2	11	11	12	—	—	4416
20	41	25	4	31	30	18	3	2	11	11	11	—	—	4416
22	42	26	4	31	30	18	3	2	11	11	11	—	—	4416
24	43	27	4	31	30	18	3	2	11	11	11	—	—	4416
26	44	28	4	31	30	18	3	2	11	11	11	—	—	4416
28	45	29	4	31	30	18	3	2	11	11	11	—	—	4416
30	46	30	4	31	30	18	3	2	11	11	11	—	—	4416
32	47	31	4	31	30	18	3	2	11	11	11	—	—	4416
34	48	32	4	31	30	18	3	2	11	11	11	—	—	4416
36	49	33	4	31	30	18	3	2	11	11	11	—	—	4416
38	50	34	4	31	30	18	3	2	11	11	11	—	—	4416
40	51	35	4	31	30	18	3	2	11	11	11	—	—	4416
42	52	36	4	31	30	18	3	2	11	11	11	—	—	4416
44	53	37	4	31	30	18	3	2	11	11	11	—	—	4416
46	54	38	4	31	30	18	3	2	11	11	11	—	—	4416
48	55	39	4	31	30	18	3	2	11	11	11	—	—	4416
50	56	40	4	31	30	18	3	2	11	11	11	—	—	4416
52	57	41	4	31	30	18	3	2	11	11	11	—	—	4416
54	58	42	4	31	30	18	3	2	11	11	11	—	—	4416
56	59	43	4	31	30	18	3	2	11	11	11	—	—	4416
58	60	44	4	31	30	18	3	2	11	11	11	—	—	4416
60	61	45	4	31	30	18	3	2	11	11	11	—	—	4416
62	62	46	4	31	30	18	3	2	11	11	11	—	—	4416
64	63	47	4	31	30	18	3	2	11	11	11	—	—	4416
66	64	48	4	31	30	18	3	2	11	11	11	—	—	4416
68	65	49	4	31	30	18	3	2	11	11	11	—	—	4416
70	66	50	4	31	30	18	3	2	11	11	11	—	—	4416
72	67	51	4	31	30	18	3	2	11	11	11	—	—	4416
74	68	52	4	31	30	18	3	2	11	11	11	—	—	4416
76	69	53	4	31	30	18	3	2	11	11	11	—	—	4416
78	70	54	4	31	30	18	3	2	11	11	11	—	—	4416
80	71	55	4	31	30	18	3	2	11	11	11	—	—	4416
82	72	56	4	31	30	18	3	2	11	11	11	—	—	4416
84	73	57	4	31	30	18	3	2	11	11	11	—	—	4416
86	74	58	4	31	30	18	3	2	11	11	11	—	—	4416
88	75	59	4	31	30	18	3	2	11	11	11	—	—	4416
90	76	60	4	31	30	18	3	2	11	11	11	—	—	4416
92	77	61	4	31	30	18	3	2	11	11	11	—	—	4416
94	78	62	4	31	30	18	3	2	11	11	11	—	—	4416
96	79	63	4	31	30	18	3	2	11	11	11	—	—	4416
98	80	64	4	31	30	18	3	2	11	11	11	—	—	4416
100	81	65	4	31	30	18	3	2	11	11	11	—	—	4416
102	82	66	4	31	30	18	3	2	11	11	11	—	—	4416
104	83	67	4	31	30	18	3	2	11	11	11	—	—	4416
106	84	68	4	31	30	18	3	2	11	11	11	—	—	4416
108	85	69	4	31	30	18	3	2	11	11	11	—	—	4416
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112	87	71	4	31	30	18	3	2	11	11	11	—	—	4416
114	88	72	4	31	30	18	3	2	11	11	11	—	—	4416
116	89	73	4	31	30	18	3	2	11	11	11	—	—	4416
118	90	74	4	31	30	18	3	2	11	11	11	—	—	4416
120	91	75	4	31	30	18	3	2	11	11	11	—	—	4416
122	92	76	4	31	30	18	3	2	11	11	11	—	—	4416
124	93	77	4	31	30	18	3	2	11	11	11	—	—	4416
126	94	78	4	31	30	18	3	2	11	11	11	—	—	4416
128	95	79	4	31	30	18	3	2	11	11	11	—	—	4416
130	96	80	4	31	30	18	3	2	11	11	11	—	—	4416
132	97	81	4	31	30	18	3	2	11	11	11	—	—	4416
134	98	82	4	31	30	18	3	2	11	11	11	—	—	4416
136	99	83	4	31	30	18	3	2	11	11	11	—	—	4416
138	100	84	4	31	30	18	3	2	11	11	11	—	—	4416
140	101	85	4	31	30	18	3	2	11	11	11	—	—	4416
142	102	86	4	31	30	18	3	2	11	11	11	—	—	4416
144	103	87	4	31	30	18	3	2	11	11	11	—	—	4416
146	104	88	4	31	30	18	3	2	11	11	11	—	—	4416
148	105	89	4	31	30	18	3	2	11	11	11	—	—	4416
150	106	90	4	31	30	18	3	2	11	11	11	—	—	4416
152	107	91	4	31	30	18	3	2	11	11	11	—	—	4416
154	108	92	4	31	30	18	3	2	11	11	11	—	—	4416
156	109	93	4	31	30	18	3	2	11	11	11	—	—	4416
158	110	94	4	31	30	18	3	2	11	11	11	—	—	4416
160	111	95	4	31	30	18	3	2	11	11	11	—	—	4416
162	112	96	4	31	30	18	3	2	11	11	11	—	—	4416
164	113	97	4	31	30	18	3	2	11	11	11	—	—	4416
166	114	98	4	31	30	18	3	2	11	11	11	—	—	4416
168	115	99	4	31	30	18	3	2	11	11	11	—	—	4416
170	116	100	4	31	30	18	3	2	11	11	11	—	—	4416
172	117	101	4	31	30	18	3	2	11	11	11	—	—	4416
174	118	102	4	31	30	18	3	2	11	11	11	—	—	4416
176	119	103	4	31	30	18	3	2	11	11	11	—	—	4416
178	120	104	4	31	30	18	3	2	11	11	11	—	—	4416
180	121	105	4	31	30	18	3	2	11	11	11	—	—	4416
182	122	106	4	31	30	18	3	2	11	11	11	—	—	4416
184	123	107	4	31	30	18	3	2	11	11	11	—	—	4416
186	124	108	4	31	30	18	3	2	11	11	11	—	—	4416
188	125	109	4	31	30	18	3	2	11	11	11	—	—	4416
190	126	110	4	31	30	18	3	2	11	11	11	—	—	4416
192	127	111	4	31	30	18	3	2	11	11	11	—	—	4416
194	128	112	4	31	30	18	3	2	11	11	11	—	—	4416
196	129	113	4	31	30	18	3	2	11	11	11	—	—	4416
198	130	114	4	31	30	18	3	2	11	11	11	—	—	4416
200	131	115	4	31	30	18	3	2	11	11	11	—	—	4416
202	132	116	4	31	30	18	3	2	11	11	11	—	—	4416
204	133	117	4	31	30	18	3	2	11	11	11	—	—	4416
206	134	118	4	31	30	18	3	2	11	11	11	—	—	4416
208	135	119	4	31	30	18	3	2	11	11	11	—	—	4416
210	136	120	4	31	30	18	3	2	11	11	11	—	—	4416
212	137	121	4	31	30	18	3	2	11	11	11	—	—	4416
214	138	122	4	31	30	18	3	2	11	11	11	—	—	4416
216	139	123	4	31	30	18	3	2	11	11	11	—	—	4416
218	140	124	4	31	30	18	3	2	11	11	11	—	—	4416
220	141	125	4	31	30	18	3	2	11	11	11	—	—	4416
222	142	126	4	31	30	18	3	2	11	11	11	—	—	4416
224	143	127	4	31	30	18	3	2	11	11	11	—	—	4416
226	144	128	4	31	30	18	3	2	11	11	11	—	—	4416
228	145	129	4	31	30	18	3	2	11	11	11	—	—	4416
230	146	130	4	31	30	18	3	2	11	11	11	—	—	4416
232	147	131	4	31	30	18	3	2	11	11	11	—	—	4416
234	148	132	4	31	30	18	3	2	11	11	11	—	—	4416
236	149	133	4	31	30	18	3	2	11	11	11	—</td		

"Ilg" Volume Blowers



THE IRVING ILG CO.

The Ilg Volume Blowers have been designed to meet the requirements of the most exacting users. They are built of heavy castings, and are equipped with the best quality materials and workmanship.

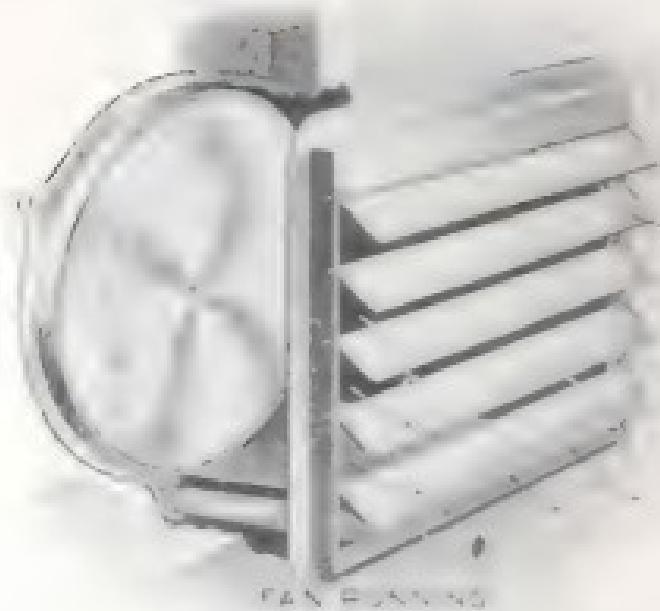
The Ilg Volume Blowers are designed to be used in conjunction with other machinery, such as compressors, pumps, etc., to produce a large volume of air or gas.

The Ilg Volume Blowers are built to withstand the most severe conditions of use, and are guaranteed to give trouble-free service for many years.

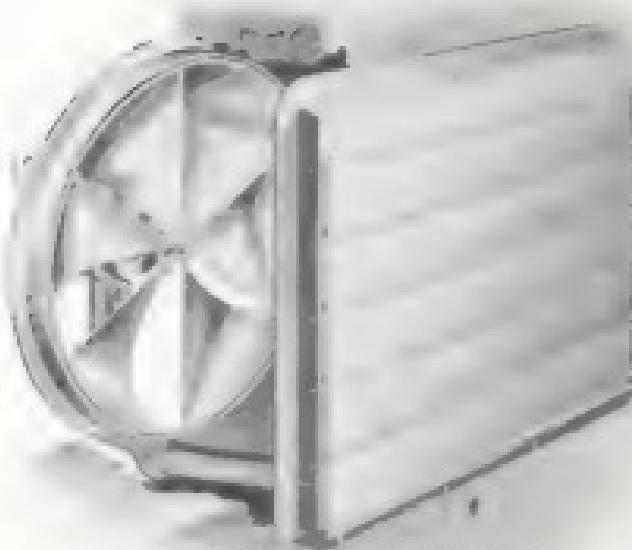
Size	Capacity	Pressure	Speed	Power	Weight	Dimensions
10	1000 cu ft per min	10 psi	1000 rpm	10 hp	1000 lbs	10 x 10 x 10
12	1200 cu ft per min	12 psi	1200 rpm	12 hp	1200 lbs	12 x 12 x 12
14	1400 cu ft per min	14 psi	1400 rpm	14 hp	1400 lbs	14 x 14 x 14
16	1600 cu ft per min	16 psi	1600 rpm	16 hp	1600 lbs	16 x 16 x 16
18	1800 cu ft per min	18 psi	1800 rpm	18 hp	1800 lbs	18 x 18 x 18
20	2000 cu ft per min	20 psi	2000 rpm	20 hp	2000 lbs	20 x 20 x 20
22	2200 cu ft per min	22 psi	2200 rpm	22 hp	2200 lbs	22 x 22 x 22
24	2400 cu ft per min	24 psi	2400 rpm	24 hp	2400 lbs	24 x 24 x 24
26	2600 cu ft per min	26 psi	2600 rpm	26 hp	2600 lbs	26 x 26 x 26
28	2800 cu ft per min	28 psi	2800 rpm	28 hp	2800 lbs	28 x 28 x 28
30	3000 cu ft per min	30 psi	3000 rpm	30 hp	3000 lbs	30 x 30 x 30
32	3200 cu ft per min	32 psi	3200 rpm	32 hp	3200 lbs	32 x 32 x 32
34	3400 cu ft per min	34 psi	3400 rpm	34 hp	3400 lbs	34 x 34 x 34
36	3600 cu ft per min	36 psi	3600 rpm	36 hp	3600 lbs	36 x 36 x 36
38	3800 cu ft per min	38 psi	3800 rpm	38 hp	3800 lbs	38 x 38 x 38
40	4000 cu ft per min	40 psi	4000 rpm	40 hp	4000 lbs	40 x 40 x 40
42	4200 cu ft per min	42 psi	4200 rpm	42 hp	4200 lbs	42 x 42 x 42
44	4400 cu ft per min	44 psi	4400 rpm	44 hp	4400 lbs	44 x 44 x 44
46	4600 cu ft per min	46 psi	4600 rpm	46 hp	4600 lbs	46 x 46 x 46
48	4800 cu ft per min	48 psi	4800 rpm	48 hp	4800 lbs	48 x 48 x 48
50	5000 cu ft per min	50 psi	5000 rpm	50 hp	5000 lbs	50 x 50 x 50
52	5200 cu ft per min	52 psi	5200 rpm	52 hp	5200 lbs	52 x 52 x 52
54	5400 cu ft per min	54 psi	5400 rpm	54 hp	5400 lbs	54 x 54 x 54
56	5600 cu ft per min	56 psi	5600 rpm	56 hp	5600 lbs	56 x 56 x 56
58	5800 cu ft per min	58 psi	5800 rpm	58 hp	5800 lbs	58 x 58 x 58
60	6000 cu ft per min	60 psi	6000 rpm	60 hp	6000 lbs	60 x 60 x 60
62	6200 cu ft per min	62 psi	6200 rpm	62 hp	6200 lbs	62 x 62 x 62
64	6400 cu ft per min	64 psi	6400 rpm	64 hp	6400 lbs	64 x 64 x 64
66	6600 cu ft per min	66 psi	6600 rpm	66 hp	6600 lbs	66 x 66 x 66
68	6800 cu ft per min	68 psi	6800 rpm	68 hp	6800 lbs	68 x 68 x 68
70	7000 cu ft per min	70 psi	7000 rpm	70 hp	7000 lbs	70 x 70 x 70
72	7200 cu ft per min	72 psi	7200 rpm	72 hp	7200 lbs	72 x 72 x 72
74	7400 cu ft per min	74 psi	7400 rpm	74 hp	7400 lbs	74 x 74 x 74
76	7600 cu ft per min	76 psi	7600 rpm	76 hp	7600 lbs	76 x 76 x 76
78	7800 cu ft per min	78 psi	7800 rpm	78 hp	7800 lbs	78 x 78 x 78
80	8000 cu ft per min	80 psi	8000 rpm	80 hp	8000 lbs	80 x 80 x 80
82	8200 cu ft per min	82 psi	8200 rpm	82 hp	8200 lbs	82 x 82 x 82
84	8400 cu ft per min	84 psi	8400 rpm	84 hp	8400 lbs	84 x 84 x 84
86	8600 cu ft per min	86 psi	8600 rpm	86 hp	8600 lbs	86 x 86 x 86
88	8800 cu ft per min	88 psi	8800 rpm	88 hp	8800 lbs	88 x 88 x 88
90	9000 cu ft per min	90 psi	9000 rpm	90 hp	9000 lbs	90 x 90 x 90
92	9200 cu ft per min	92 psi	9200 rpm	92 hp	9200 lbs	92 x 92 x 92
94	9400 cu ft per min	94 psi	9400 rpm	94 hp	9400 lbs	94 x 94 x 94
96	9600 cu ft per min	96 psi	9600 rpm	96 hp	9600 lbs	96 x 96 x 96
98	9800 cu ft per min	98 psi	9800 rpm	98 hp	9800 lbs	98 x 98 x 98
100	10000 cu ft per min	100 psi	10000 rpm	100 hp	10000 lbs	100 x 100 x 100

The Ilg Volume Blowers are built to withstand the most severe conditions of use, and are guaranteed to give trouble-free service for many years.

"Ilg" Automatic Louvers



FAN RUNNING

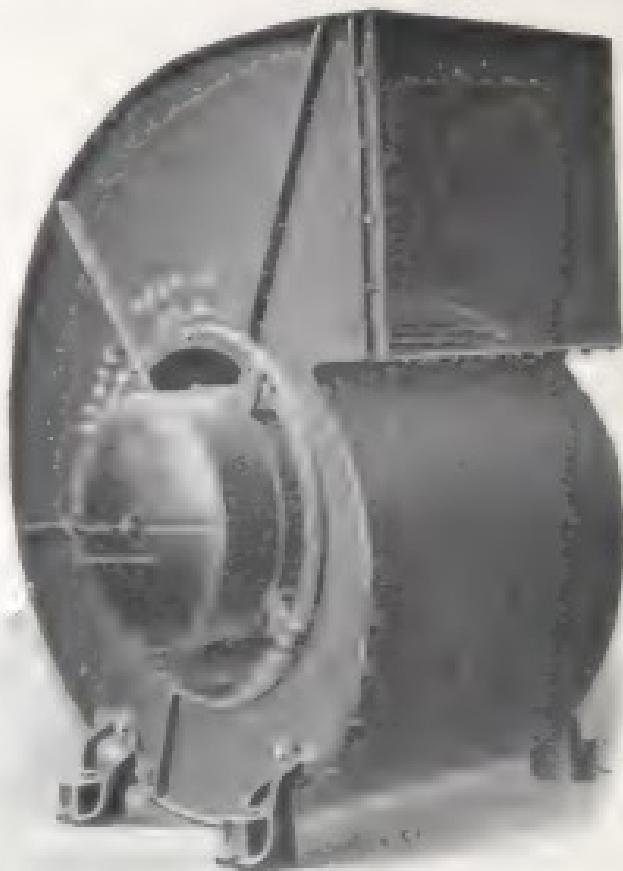


FAN NOT RUNNING

"Ilg" Automatic Louvers

The first Amendment does not guarantee a complete freedom of speech, although there is no clear-cut formula fixed by law as to what

Universal Blowers



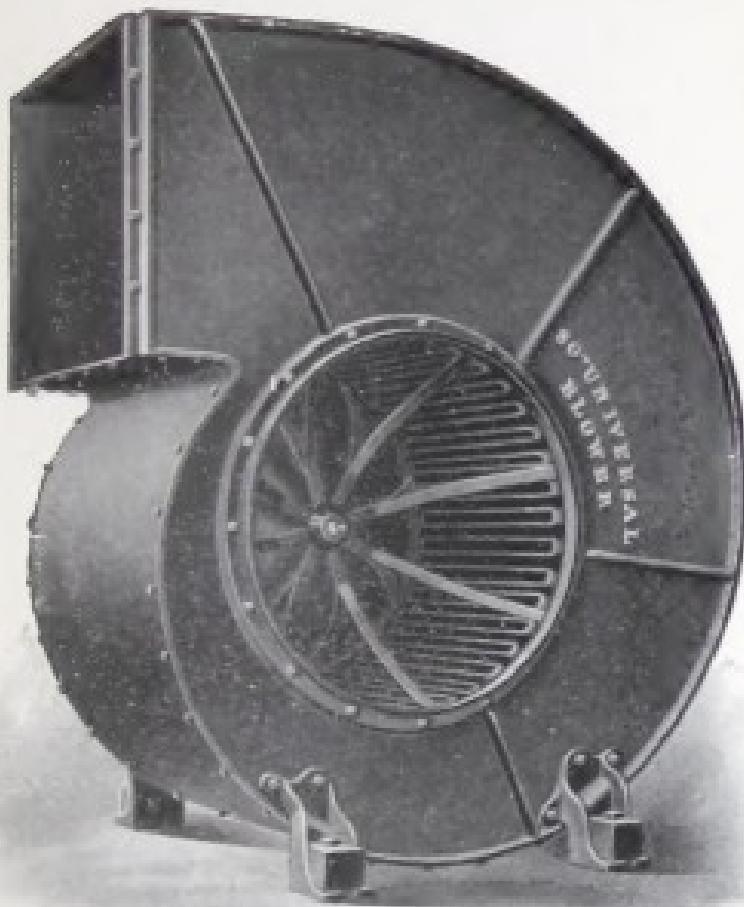
Universal Blower

The construction of the Blowers and Exhausters is a distinct departure from methods heretofore employed by blower or fan manufacturers. The motor is machined circular and set partially into the housing, giving a compactness never before accomplished in blower or fan construction. The motor is supported by a steel iron ring bolted to the housing. The side plate has a similar casting fastened in the same manner.

The holes in both sections are evenly spaced, drilled to template, making it possible to change any blower from right to left hand drive, or vice versa. This construction also permits the discharge to be swung to any angle. The use of the round body type motor and the method of support makes it possible to interchange or replace motor without disturbing the alignment.

Both bearings are combined and are oiled simultaneously from accessible side of the motor.

Universal Blowers



SUCTION SIDE

Machines of the type shown above built for any current or voltage, in sizes from 25-inch to 80-inch; air deliveries from 1,400 c. f. m. to 30,000 c. f. m.

Our Engineering Department is at your service. Write for our complete catalogue, giving full information on blowers and exhausters for all purposes.

Send in your problems to us with full details and we shall help you solve them.

See next page for performance tables for blowers.

"Ilg" Universal Blowers

SPEEDS CAPACITIES & H.P OF **ILG**
BLOWERS AT VARIOUS PRESSURES

SIZE	DIAM. OF WHEEL		1/20Z	3/40Z	1 0Z	1 1/40Z	1 1/20Z	2 0Z
25	14	CU.FT.	1400	1715	1995	2240	2415	2600
		R.P.M.	720	880	1030	1140	1230	1430
		H.P.	.24	.415	.67	.91	1.07	1.25
30	16 1/2	CU.FT.	2000	2450	2850	3200	3450	4000
		R.P.M.	610	760	870	950	1050	1220
		H.P.	.344	.60	.87	1.15	1.47	2.22
35	19 1/2	CU.FT.	2720	3330	3875	4350	4690	5440
		R.P.M.	530	660	750	820	900	1050
		H.P.	.47	.87	1.2	1.67	2.14	3.14
40	22	CU.FT.	3540	4335	5040	5650	5990	7060
		R.P.M.	460	580	660	720	790	910
		H.P.	.67	1.27	1.74	2.27	2.67	4.14
45	25	CU.FT.	4300	5510	6410	7200	7760	9000
		R.P.M.	410	510	580	630	700	810
		H.P.	.87	1.47	2.00	2.60	3.20	4.47
50	27 1/2	CU.FT.	5540	6780	7890	8800	9550	11080
		R.P.M.	370	460	530	580	640	740
		H.P.	1.07	1.74	2.40	3.07	3.90	4.97
55	30 1/2	CU.FT.	6100	7470	8600	9760	10520	13210
		R.P.M.	330	410	470	510	570	660
		H.P.	1.2	1.87	2.67	3.46	4.60	6.00
60	33	CU.FT.	8000	9800	11400	12800	13800	16000
		R.P.M.	370	460	430	470	520	610
		H.P.	1.35	2.25	3.20	4.55	6.30	10.00
70	39	CU.FT.	10600	13320	15500	17400	18760	21700
		R.P.M.	260	330	370	400	460	550
		H.P.	2.06	3.1	4.40	6.35	7.75	14.00
80	44	CU.FT.	14660	17950	20890	23450	25260	29300
		R.P.M.	240	300	340	370	410	480
		H.P.	2.8	4.15	6.00	8.55	11.80	20.00

